

12. Which substance would have a faster evaporation rate,  $\text{NH}_3$  or  $\text{CH}_4$ ? Explain why.

13. List the type of intermolecular force you would expect for each of the following molecules.

a.  $\text{NH}_3$

b.  $\text{CH}_4$

c.  $\text{HCl}$

d.  $\text{C}_2\text{H}_6$

14. Rank the above molecules in order of increasing boiling point.